B2866 Side Airbag, Passenger. Short to Ground
B2867 Side Airbag, Passenger. Short to B+
B2868 Side Airbag, Passenger. Open Circuit
B2869 Side Airbag, Passenger. Resistance Too Low

Image

Fault Symptoms

Airbag warning lamp ON.

Conditions

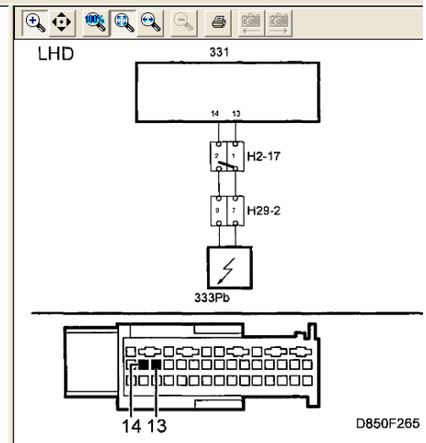
The following conditions are applicable to the respective diagnostic trouble codes:

B2866
- The voltage applied to **control module** pin 2 is **lower than 1.5 V** for **1.25 s**.

B2867
- The voltage applied to **control module** pin 1 is **higher than 3.5 V** for **1.25 s**.

B2868
- The resistance measured by the **control module** is **higher than 4.04 ohms** for **10 s**.
- The resistance measured by the **control module** is **higher than 225 ohms** for **160 ms**
- Fault diagnosis will not be carried out if diagnostic trouble code B2861 or B2862 has been generated.

B2869
- The resistance measured by the **control module** is **lower than 1.50 ohms** for **20 s**.
- Fault diagnosis will not be carried out if diagnostic trouble code B2861 or B2862 has been generated.



Check The Wiring Harness Between The Control Module And The Passenger's Side Airbag

Take a resistance reading between
- 13 **Control module**, Airbag
- 14 Control module, Airbag

Image

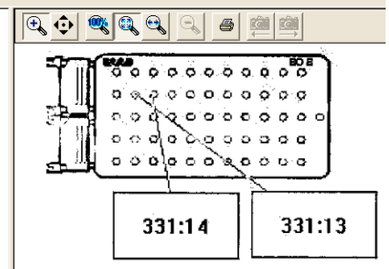
- Jiggle the leads and In-line connectors at several places and in different directions to reveal intermittent breaks and short circuits in the wiring harness. Observe the multimeter, test lamp or diagnostic tool while doing this.

The reading should be **2 - 4 Ohm**

Is the function correct?

NO - See: Rectifying the Lead

YES - See: Changing Components

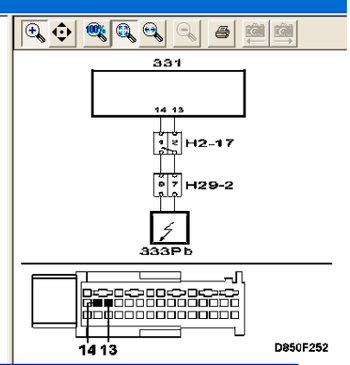


Rectifying The Lead

Image

Repair or replace the lead concerned

See: Final Check

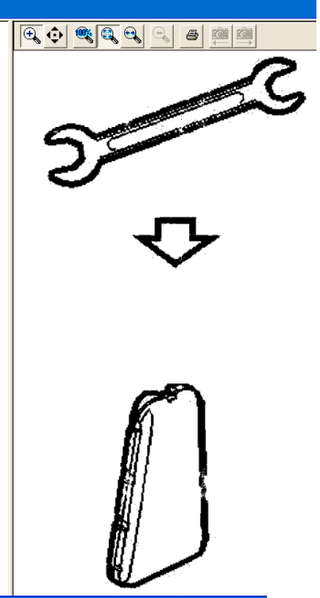


Changing Components

Image

Change Side airbag, front passenger

See: Final Check



Final Check

Image

Image

- Clear the diagnostic trouble codes in all systems.
- Carry out a drive cycle:
- Drive the car at varying engine loads and engine rpm for **five minutes**.
- Evaluate the drive cycle:
- Check that the diagnostic trouble code has not recurred

Is the function correct?

NO - See 'Before changing a **control module**'.

YES - The steps taken to rectify the fault were correct.